

# PATENT COOPERATION TREATY

## PCT

From the INTERNATIONAL SEARCHING AUTHORITY

To:

IP QINETIQ FORMALITIES  
Cody Technology Park  
Attn. Farrar, Christopher M.  
A4 Building, Room G016  
Ively Road, Farnborough  
Hampshire GU14 0L  
UNITED KINGDOM

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT  
OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing  
(day/month/year) 20/10/2003

Applicant's or agent's file reference  
IP/P7151/WOD

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.  
PCT/GB 03/02720

International filing date  
(day/month/year) 26/06/2003

Applicant

QINETIQ LIMITED

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland  
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Further action(s): The applicant is reminded of the following:

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority



European Patent Office, P.B. 5818 Patentplan 2  
NL-2280 HV Rijswijk  
Tel. (+31-70) 34 1-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 3 0-3016

Authorized officer

Emmanuel Cherqui

Form PCT/ISA/220 (July 1991)

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# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>IP/P7151/WOD</b>	<b>FOR FURTHER ACTION</b> <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. <b>PCT/GB 03/02720</b>	International filing date (day/month/year) <b>26/06/2003</b>	(Earliest) Priority Date (day/month/year) <b>28/06/2002</b>
Applicant <b>QINETIQ LIMITED</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished separately to this Authority in written form.

☐ furnished separately to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

**4. With regard to the title,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. 1

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☒ because the figure better characterizes the invention.

☐ None of the figures.

Form PCT/ISA/210 (first sheet) (July 1998)

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# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/GB 03/02720

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C09K19/34 C09K19/40

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C09K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 359 150 B1 (FUKUDOME ET AL) 19 March 2002 (2002-03-19) claims; examples ---	1-9
X	US 2002/034705 A1 (IRIE ET AL) 21 March 2002 (2002-03-21) claims; examples ---	1-9
X	DE 100 39 903 A (GUETLICH PHILIPP) 28 February 2002 (2002-02-28) claims ---	1-9
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 19, 5 June 2001 (2001-06-05) -& JP 2001 049244 A (MINOLTA CO LTD), 20 February 2001 (2001-02-20) abstract --- -/--	1-9

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

8 October 2003

Date of mailing of the international search report

20/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Serbetsoglou, A

## INTERNATIONAL SEARCH REPORT

International Publication No

PCT/GB 03/02720

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 15, 6 April 2001 (2001-04-06) -& JP 2000 344693 A (MITSUBOSHI BELTING LTD; UCHIDA KINGO; IRIE MASAHIRO), 12 December 2000 (2000-12-12) abstract ---	1-9
X	EP 1 167 487 A (JAPAN SCIENCE & TECH CORP) 2 January 2002 (2002-01-02) claims ---	1-9
X	WO 02 21523 A (DIXET) 14 March 2002 (2002-03-14) claims ---	1-9
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01, 30 January 1998 (1998-01-30) -& JP 09 241254 A (IRIE MASAHIRO), 16 September 1997 (1997-09-16) abstract ---	1-9
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 10, 31 October 1996 (1996-10-31) -& JP 08 143564 A (MITA IND CO LTD; IRIE MASAHIRO), 4 June 1996 (1996-06-04) abstract ---	1-9
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14, 31 December 1998 (1998-12-31) -& JP 10 251630 A (IRIE MASAHIRO), 22 September 1998 (1998-09-22) abstract ---	1-9
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07, 31 July 1997 (1997-07-31) -& JP 09 061609 A (NIPPON TELEGR & TELEPH CORP & NTT & KANEBO LTD), 7 March 1997 (1997-03-07) abstract ---	1-9
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 07, 3 July 2002 (2002-07-03) -& JP 2002 069439 A (KYOCERA CORP), 8 March 2002 (2002-03-08) abstract ---	1-9
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## INTERNATIONAL SEARCH REPORT

International Publication No

PCT/GB 03/02720

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 07, 3 July 2002 (2002-07-03) -& JP 2002 082414 A (SANYO ELECTRIC CO LTD), 22 March 2002 (2002-03-22) abstract ---	1-9
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P,X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 02, 5 February 2003 (2003-02-05) -& JP 2002 309244 A (JAPAN SCIENCE & TECHNOLOGY CORP; MITSUBISHI CHEMICALS CORP), 23 October 2002 (2002-10-23) abstract ---	1-9
P,X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 02, 5 February 2003 (2003-02-05) -& JP 2002 302669 A (JAPAN SCIENCE & TECHNOLOGY CORP; MITSUBISHI CHEMICALS CORP), 18 October 2002 (2002-10-18) abstract ---	1-9
P,X	WO 02 102923 A (MITSUBISHI CHEM CORP ) 27 December 2002 (2002-12-27) abstract; claims; examples -----	1-9

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/02720

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